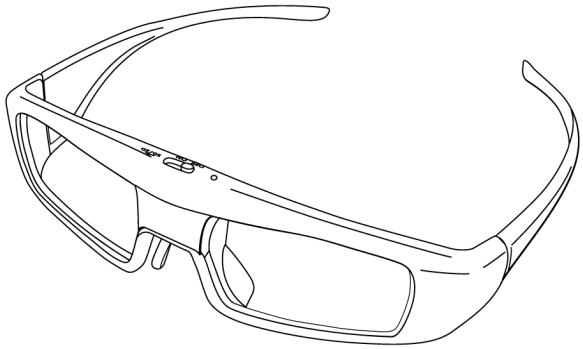
Order No. ITD1203008CE

Service Manual

3D Eyewear



Model No. TY-ER3D4MU
TY-ER3D4SU
TY-ER3D4ME
TY-ER3D4SE
TY-ER3D4MW
TY-ER3D4SW
TY-ER3D4MC
TY-ER3D4SC

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 Specifications

Model names		TY-ER3D4MU/SU, TY-ER3D4ME/SE, TY-ER3D4MW/SW, TY-ER3D4MC/SC	
Lens type		Liquid Crystal Shutter	
Usage temperature range		0°C - 40°C (32°F - 104°F)	
Charging power supply		DC 5 V (supplied by USB terminal of a Panasonic TV)	
Battery		Lithium-ion polymer rechargeable battery DC 3.7 V, 40 mAh Operation time*1: Approx. 30 hours Charging time*1: Approx. 30 minutes Quick charge (2 minutes charge enables approx. 3 hours use)	
Viewing range*2		Within 10.5' (3.2 m) from front surface of the TV.	
Materials		Main body: Resin Lens section: Liquid crystal glass	
Communication system		2.4 GHz band FH-SS (Frequency Hopping Spread Spectrum)	
Dimensions (not including nose pad part)	Models	TY-ER3D4MU TY-ER3D4ME TY-ER3D4MW TY-ER3D4MC	TY-ER3D4SU TY-ER3D4SE TY-ER3D4SW TY-ER3D4SC
	Width	6.61" (167.7 mm)	6.32" (160.5 mm)
	Height	1.67" (42.2 mm)	1.67" (42.2 mm)
	Overall length	6.73" (170.7 mm)	6.60" (167.6 mm)
Mass		Approx. 0.96 oz (Approx. 27 g)	Approx. 0.96 oz (Approx. 27 g)

***1 Operation time/Charging time**

- The battery deteriorates after repeated use, and the operation time eventually becomes short. It may also take longer to charge, depending on where and how long it was stored. The figures above are at shipping from the factory, and are not a guarantee of performance.

***2 Viewing range**

- There are differences in the viewing range of the 3D Eyewear among individuals.
- The 3D Eyewear may not operate correctly at the outside of the viewing range.

Information on Disposal in other Countries outside the European Union

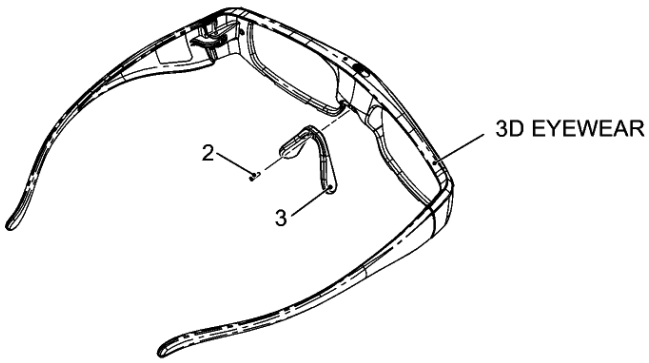
This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

2 Exploded View and Replacement Parts List

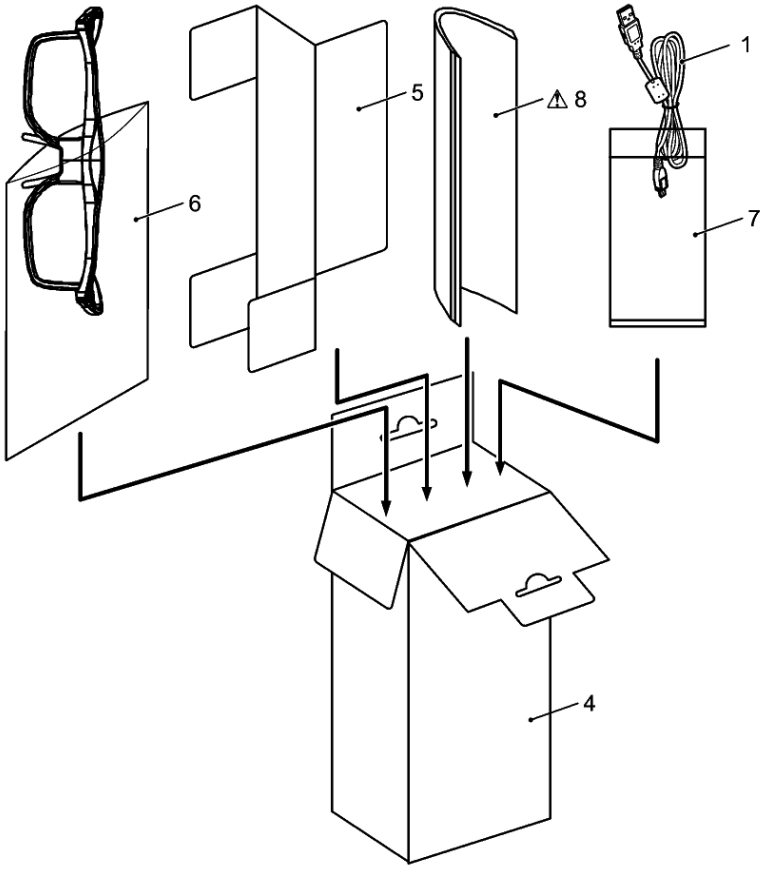
Please click the radio button for “Diagrams ll / Parts List” on the menu bar.

Model No. : TY-ER3D4MU,TY-ER3D4SU,TY-ER3D4ME,TY-ER3D4SE,TY-ER3D4MW,TY-ER3D4SW,TY-ER3D4MC,TY-ER3D4SC Exploded View/Packing and Accessories

Exploded View



Packing and Accessories



Model No. : TY-ER3D4MU,TY-ER3D4SU,TY-ER3D4ME,TY-ER3D4SE,TY-ER3D4MW,TY-ER3D4SW,TY-ER3D4MC,TY-ER3D4SC Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	K2KYYYY00164	CHARGE CABLE	1	
	2	THEC147N	SCREW (NOSE PAD)	1	
	3	TKKH5125	NOSE PAD	1	
	4	TPCD00401	CARTON BOX	1	TY-ER3D4MU
	4	TPCD00801	CARTON BOX	1	TY-ER3D4SU
	4	TPCD00501	CARTON BOX	1	TY-ER3D4ME
	4	TPCD00901	CARTON BOX	1	TY-ER3D4SE
	4	TPCD00601	CARTON BOX	1	TY-ER3D4MW
	4	TPCD01001	CARTON BOX	1	TY-ER3D4SW
	4	TPCD00701	CARTON BOX	1	TY-ER3D4MC
	4	TPCD01101	CARTON BOX	1	TY-ER3D4SC
	5	TPDF2647	PARTITION	1	
	6	TQEF171	POLY BAG (3D EYEWEAR)	1	
	7	TQFE164	POLY BAG (CHARGE CABLE)	1	
⚠	8	TQZJ403	INSTRUCTION BOOK	1	TY-ER3D4MU, TY-ER3D4SU
⚠	8	TQZJ404	INSTRUCTION BOOK	1	TY-ER3D4ME, TY-ER3D4SE
⚠	8	TQZJ405	INSTRUCTION BOOK	1	TY-ER3D4MW, TY-ER3D4SW
⚠	8	TQZJ406	INSTRUCTION BOOK	1	TY-ER3D4MC, TY-ER3D4SC